

Amendments to the Claims

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

Listing of the Claims

1-110. Canceled.

111. (Currently amended) A digital video management system for low-latency remote live video monitoring of one or more areas or processes of interest, the system including:

a plurality of cameras, each camera having a respective camera streamer configured to packetize the camera output and to provide low-latency live ~~for providing~~ respective first video signals to a computer communications network;

a video server configured for linking to the network, configured to receive the first video signals and configured to be responsive to a predetermined schedule for storing on storage media associated with the server at least some of the first video signals, wherein the server is configured to access the stored signals and to access the low-latency live first video signals to selectively provide packetized playback second video signals and packetized low-latency live second video signals, respectively;

at least one client computer terminal configured for linking to the network for providing the predetermined schedule and for receiving either of the second signals.

112. (Currently amended) A system according to claim 111 wherein the predetermined schedule includes a plurality of time based trigger points and the server stores the first images video signals starting at a first predetermined period prior to each point and a second predetermined period after each point.

113. (Currently amended) A system according to claim 111 wherein the predetermined schedule includes a plurality of event based trigger points and the server stores the first images video signals starting at a first predetermined period prior to each point and a second predetermined period after each point.

114. (currently amended) A system according to claim ~~112~~ claim 113 including a sensor for providing a third signal to the network, wherein one of the event based trigger points comprises the third signal falling within a predetermined range.

115. Canceled.

116. (Previously presented) A system according to claim 112 wherein the first and the second predetermined periods are configurable based upon one or more of: on a per camera basis; on a per area basis; on an event type basis.

117. (Previously presented) A system according to claim 112 wherein the duration of the first and the second predetermined periods are configurable.

118. (Previously presented) A system according to claim 111 including a plurality of client terminals and a controller for controlling the second signals that are provided to respective terminals.

119. (Previously presented) A system according to claim 118 wherein the terminals provide over the network respective camera control commands to the video server and the video server processes those commands and generates control signals that are sent to the relevant camera via the network.

120. (Previously presented) A system according to claim 118 wherein the processing of the commands by the video server includes a determination of whether or

not the terminal sending the respective command has access rights to the relevant camera.

121. (withdrawn) A digital video management system including:
a plurality of cameras for providing respective first video signals to a computer communications network;
a video server for linking to the network, receiving the first video signals and storing on storage media associated with the server at least some of the first video signals, wherein the server is responsive to a plurality of client account records for accessing the first signals and/or the stored signals to selectively produce a plurality of second video signals; and
a plurality of client computer terminals corresponding to each client access record, the terminals being linked to the network for requesting and receiving respective second signals.

122. (withdrawn) A system according to claim 11 wherein at least some of the client account records are changeable via the respective client computer terminal.

123. (withdrawn) A system according to claim 11 wherein the client account records include data indicative of the one or more first signals and/or stored signals that the server is responsive to when producing the respective second signals.

124. (withdrawn) A system according to claim 11 wherein the client account records include data indicative of one or more predetermined triggers.

125. (withdrawn) A system according to claim 14 wherein the trigger is one or more of: a predetermined time; a predetermined interval; and an event.

126. (withdrawn) A system according to claim 15 wherein the event is predicated by a transducer that provides an event signal to the video server via the network.

127. (Previously presented) A system according to claim 111, wherein the first video signals are compressed by the cameras.

128. Canceled.

129. (currently amended) A system according to ~~claim 128~~ claim 111, wherein the camera streamers compress the respective first video signals.

130. Canceled.

131. (New) A system according to claim 120, wherein the controller is adapted to receive camera control functionality requests from the terminals and to forward camera control commands to the cameras.

132. (New) A system according to claim 131, wherein the controller is adapted to deny a control functionality request relating to a camera being controlled by another terminal.

133. (New) A system according to claim 131, wherein the controller is adapted to grant or deny a control request in dependence upon security level information relating to a user making the request.

134. (New) A system according to claim 111, wherein the low-latency live video signals are provided encoded to give priority to the video stream over the audio stream to emphasize coherency of the video stream.

135. (New) A digital video management system for low-latency remote live video monitoring of one or more areas or processes of interest, the system including:
a plurality of cameras, each camera having a respective camera streamer configured to packetize the camera output to provide respective low-latency live video signals to a computer communications network;

a plurality of video servers configured to be in communication with the network, each video server having a respective camera manager configured to manage a respective subset of said plurality of cameras, wherein each video server is configured to receive the video signals from said subset of the cameras and, in response to receiving a command from the web server, to provide access to one of said received video signals to a client computer;

a web server configured to be in communication with the network, the web server having a primary camera manager configured for receiving a command from a client computer terminal, for processing the command to determine a camera to which the command relates and for forwarding the command to the corresponding video server;
and

a client computer terminal configured to be in communication with the network and for generating a command to the web server and for receiving from the video server the video signal.

136. (New) A system according to claim 135, further including a data server, and wherein at least one of said video servers is configured to be in communication with the data server to effect storage of at least some of the video signals.

137. (New) A system according to claim 136, wherein the web server is configured, in response to a command from the client terminal, to provide access to the stored video signals.

138. (New) A method of managing a digital video system for low-latency remote live video monitoring of one or more areas or processes of interest, the method including the steps of:

at each of a plurality of camera streamers, receiving output from an associated camera, and packetizing said output to provide respective low-latency live video signals to a computer network;

at a plurality of video servers in communication with the network, receiving the video signals from a subset of said plurality of streamers and, in response to receiving a command from the web server, providing access to one of said received video signals;

at a web server, in communication with the network, receiving a command from a client computer terminal, processing the command to determine a camera to which the command relates and forwarding the command to the corresponding video server; and

at a client computer terminal in communication with the network generating a command to the web server and receiving the video signal from a video server.

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